Complementary Low Altitude Weapons System (CLAWS)

Project Team Leads
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CLAWS

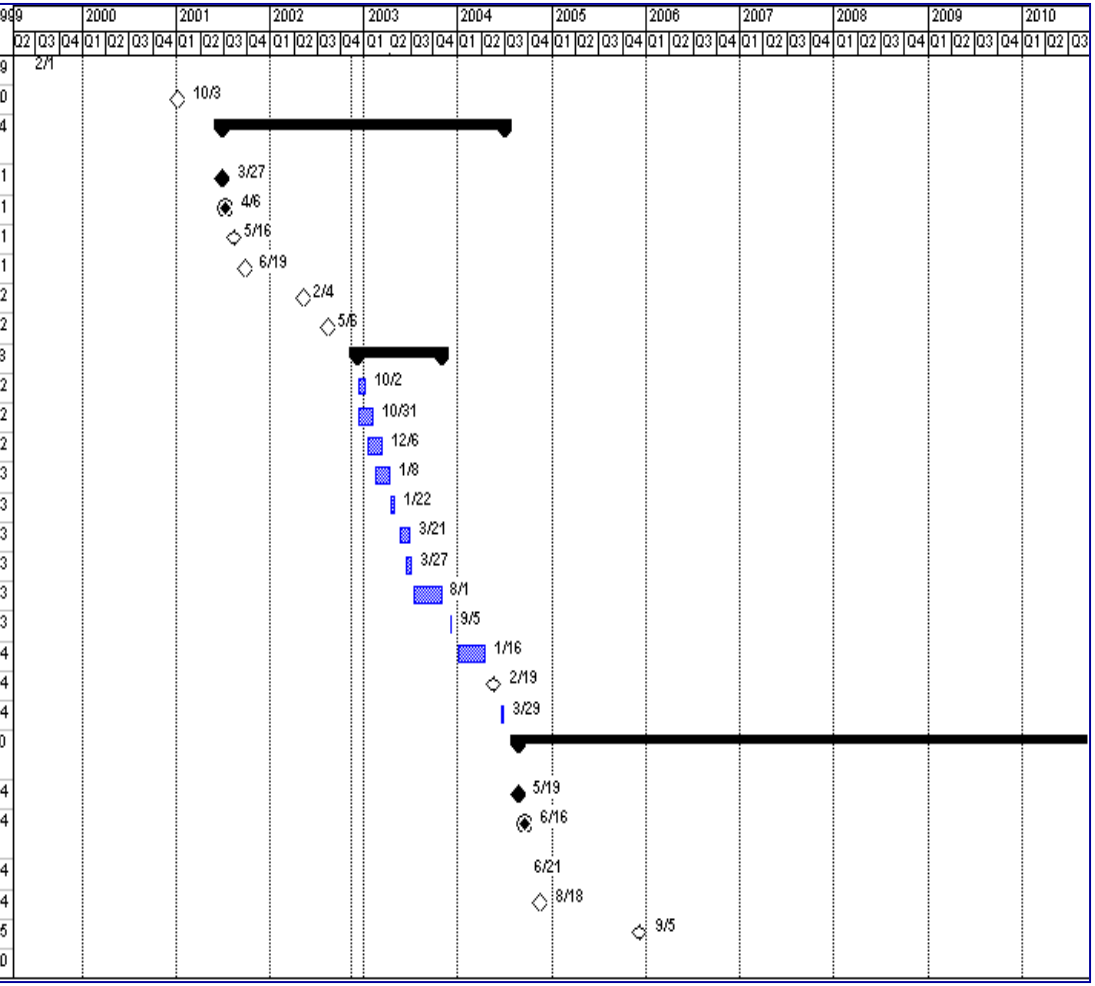
CLAWS is a mobile, ground based, air defense missile system designed to defeat threat cruise missiles, unmanned aerial vehicles, and fixed-wing and rotary-wing aircraft. CLAWS uses DoD missiles and launch rails with an existing High Mobility Multi-purposed Wheeled Vehicle (HMMWV). CLAWS consists of four Advanced Medium Range Air –to-Air Missiles (AMRAAM) mounted on a HMMWV.

History

- Working closely with Army on SLAMRAAM
- Successful CDR (Army attendance, and FIT involvement)
- Successful KPP Demo (Army attendance, and FIT involvement)
- BTV shot in Oct 01
- Risk reduction testing in Nov 01 (FIT involvement)
- CPR May 02
- DT commencing in early fall 02

Schedule

ID	Task Name	Duration	Start	Finish
1	Milestone 0 ADM	1 day	Mon 2/1/99	Mon 2/1/99
2	Solicitation	1 day	Tue 10/3/00	Tue 10/3/00
3	Phase B System Development and	786 days	Tue 3/27/01	Mon 3/29/04
4	Milestone B	1 day	Tue 3/27/01	Tue 3/27/01
5	SDD Contract Award	1 day	Fri 4/6/01	Fri 4/6/01
6	SRR	3 days	Mon 5/14/01	Wed 5/16/01
7	PDR	2 days	Mon 6/18/01	Tue 6/19/01
8	CDR	5 days	Mon 2/4/02	Fri 2/8/02
9	KPP Demo	5 days	Mon 5/6/02	Fri 5/10/02
10	Developmental Test (DT	240 days	Mon 9/2/02	Fri 8/1/03
11	PRS Delivery	23 days	Mon 9/2/02	Wed 10/2/02
12	Transportability Test	42 days	Wed 9/4/02	Thu 10/31/02
13	BMI/BMC Test	44 days	Tue 10/8/02	Fri 12/6/02
14	Environmental Test	45 days	Thu 11/7/02	Wed 1/8/03
15	BTV Firex	10 days	Thu 1/9/03	Wed 1/22/03
16	Log Demo	30 days	Mon 2/10/03	Fri 3/21/03
17	System Test	15 days	Fri 3/7/03	Thu 3/27/03
18	GTV Firex	87 days	Thu 4/3/03	Fri 8/1/03
19	OTRR	5 days	Mon 9/1/03	Fri 9/5/03
20	Operational Test (OT)	78 days	Wed 10/1/03	Fri 1/16/04
21	ILA	1 day	Thu 2/19/04	Thu 2/19/04
22	PRR	10 days	Tue 3/16/04	Mon 3/29/04
23	Phase C Production and Deployment Planning	1580 days	Wed 5/19/04	Tue 6/8/10
24	Milestone C	1 day	Wed 5/19/04	Wed 5/19/04
25	Production Option Award	1 day	Wed 6/16/04	Wed 6/16/04
26	ILA	1 day	Mon 6/21/04	Mon 6/21/04
27	Fielding Decision	1 day	Wed 8/18/04	Wed 8/18/04
28	IOC - 2005	1 day	Mon 9/5/05	Mon 9/5/05
29	FOC - 2010	1 day	Tue 6/8/10	Tue 6/8/10



Draft As of 17JUN02

System of Systems (SoS)

Guidance

Direction from BGen Feigley at the CLAWS CPR of 1 MAY02 was to pursue a System of Systems (SoS) approach.

System of Systems Approach

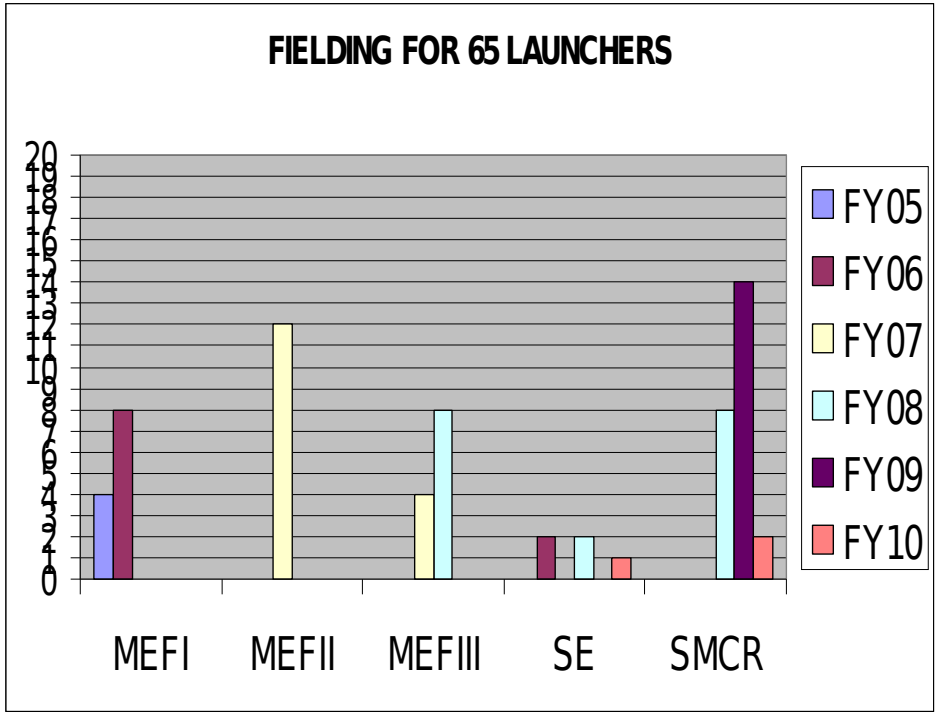
- CLAWS Fire Unit
- Sensor support from independent, fire-control sensors (MRRS) or from sensor networks (CTN)
- Command and control of CLAWS fires (fire direction) provided by a MACCS resident CAC2S via CLAWS Platoon Commander or Section Leader
- Target Set: Type 1 and other advanced cruise missiles, fixed wing aircraft (Threshold); Rotary wing aircraft and UAVs (Threshold)

Caveat

limiting factors as to which threats the system can effectively engage. As such, the

Fielding Schedule

	FY05	FY06	FY07	FY08	FY09	FY10	TOTAL
MEFI	4	8					12
MEFII			12				12
MEFIII			4	8			12
SE		2		2		1	5
SMCR				8	14	2	24
	4	10	16	18	14	3	**65**



NOTE:

-AAO not fully tailored

-Current AAO is 95 systems (briefed in Avenger brief)

Maintenance Planning

Maintenance Plan –

- 2-Level Maintenance Concept for CFE.

- Existing maintenance concept for GFE.

- **Propose** to use Contractor Logistics Support (CLS) for Depot Maintenance / Supply Support

- CLAWS project office is in the process of completing the Depot

Maintenance Core Risk Analysis which will be used by MATCOM to approve/disapprove CLS for CLAWS

- CLS is a Value Added Option (VA-03) on Contract

- CLS SOW Completed – Raytheon has provide a ROM

Summary

- DT commencing in 4th Qtr FY 02
- Schedule
- Legacy Challenges
- System of Systems (SoS)

QUESTIONS